

## User-defined Land Cover Look Up Table (LC LUT) of the LCCS classification system

Posted by ffrancois - 2009/02/03 16:44

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Hi,

I would like to run AGWA over Africa and use the Global Land Cover (v2, 2008) dataset as land cover input data for parametrization.

The used land cover classification is LCCS  
(see attached documentation: )  
<http://www.fao.org/DOCREP/003/X0596E/X0596E00.HTM>

The problem: I don't know anything about the classes attributes of the LUT (cover, interception, ..). How to calculate or to get them?

Thanks for any help

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## Re:User-defined Land Cover Look Up Table (LC LUT) of the LCCS classification system

Posted by isburns - 2009/02/18 21:17

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The required fields in the lut are  
CLASS - the values the grid is classified with  
NAME - the name or type of the land cover associated with the value each class  
A, B, C, D - curve numbers used to compute rainfall excess for their respective hydrologic soil groups (0-100 dimensionless)  
COVER - fraction of surface covered by intercepting cover (dimensionless)  
INT - interception depth (mm)  
N - Manning's N roughness coefficient (0-1 dimensionless)  
IMPER - percent impervious, the percent of watershed covered by impervious materials (dimensionless)

The CLASS, NAME, and COVER fields are required by both models.  
The A, B, C, and D fields are only required by SWAT.  
The other fields are only required by KINEROS.  
Keep all the fields but only worry about filling in the records for the fields that are required by the model you will be using.

The best place to start filling in your table is by associating the classes in the land cover you will be using with existing classes in the luts that we provide and then adjusting the parameters as you see fit for the area you are working.

Shea

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